

**Safety Data Sheet****Alpen Profi 32**

Safety Data Sheet dated: 01/09/2022 - version 1

**► SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Mixture identification:

Trade name: Alpen Profi 32

Trade code: V004SE15

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Recommended use: Emulsion paint for wall and ceiling

Uses advised against: Not available

**1.3. Details of the supplier of the safety data sheet**

Company: DC Industries S.r.l. - Via Sorte, 2 - 24030 Barzana, BG

Tel. +(39) 551 233 0221 (office hours) - [www.dc-industries.it](http://www.dc-industries.it)Responsible: [sicurezza@dcindustries.it](mailto:sicurezza@dcindustries.it)**1.4. Emergency telephone number**

Centro antiveleni, Azienda ospedaliera "Antonio Cardarelli", III Servizio di anestesia e rianimazione, via Antonio Cardarelli 9, Napoli - Tel. 081 5453333

Centro antiveleni, Azienda ospedaliera universitaria Careggi, U.O. Tossicologia medica, via Largo Brambilla 3, Firenze - Tel. 055 7947819

Centro antiveleni, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione, via Salvatore Maugeri 10, Pavia - Tel. 0382 24444

Centro antiveleni, Azienda ospedaliera Niguarda Ca' Granda, piazza Ospedale Maggiore 3, Milano - Tel. 02 66101029

Centro antiveleni, Azienda ospedaliera "Papa Giovanni XXIII", Tossicologia clinica, Dipartimento di farmacia clinica e farmacologia, piazza OMS 1, Bergamo - Tel. 800 883300

Centro antiveleni Policlinico "Umberto I", PRGM tossicologia d'urgenza, viale del Policlinico 155, Roma - Tel. 06 49978000

Centro antiveleni del Policlinico "Agostino Gemelli", Servizio di tossicologia clinica, largo Agostino Gemelli 8, Roma - Tel. 06 3054343

Centro antiveleni, Azienda ospedaliera universitaria Riuniti, viale Luigi Pinto 1, Foggia - Tel. 800 183459

Centro antiveleni, Ospedale pediatrico Bambino Gesù, Dipartimento emergenza e accettazione DEA, piazza Sant'Onofrio 4, Roma - Tel. 06 68593726

Centro antiveleni dell'Azienda ospedaliera universitaria integrata (AOUI) di Verona sede di Borgo Trento, piazzale Aristide Stefani, 1 - 37126 Verona - Tel. 800 011858

**► SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects: No other hazards

**2.2. Label elements****Regulation (EC) n. 1272/2008 (CLP)****Pictograms and Signal Words**

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

**Special Provisions:**

EUH208 Contains 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine.

May produce an allergic reaction.

EUH208 Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

EUH208 Contains reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H

-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**Special provisions according to Annex XVII of REACH and subsequent amendments:**

None.

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

Other Hazards: No other hazards

## ► SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not Relevant

### 3.2. Mixtures

Mixture identification: Alpen Profi 32

### Hazardous components within the meaning of the CLP regulation and related classification:

| Concentration<br>(%w/w) | Name                                                                                                                                  | Ident. Numb.                                         | Classification                                                                                                                                                                                                                                                                                                                                                                                                                      | Registration Number   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| $\geq 0.05 - < 0.1\%$   | 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine                         | CAS:4719-04-4<br>EC:225-208-0<br>Index:613-114-00-6  | Acute Tox. 4, H302 Skin Sens. 1, H317<br>Specific Concentration Limits: $C \geq 0.1\%$ : Skin Sens. 1 H317                                                                                                                                                                                                                                                                                                                          | 01-2119529226-41-XXXX |
| $\geq 0.01 - < 0.016\%$ | 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                              | CAS:2634-33-5<br>EC:220-120-9<br>Index:613-088-00-6  | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Acute Tox. 4, H302 Skin Sens. 1, H317 Aquatic Chronic 2, H411<br>Specific Concentration Limits: $C \geq 0.05\%$ : Skin Sens. 1 H317                                                                                                                                                                                                                                      |                       |
| $< 0.0015\%$            | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) | CAS:55965-84-9<br>EC:611-341-5<br>Index:613-167-00-5 | Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Acute Tox. 3, H301 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Acute Tox. 2, H310 Acute Tox. 2, H330 Eye Dam. 1, H318, M-Chronic:100, M- Acute:100<br>Specific Concentration Limits: $C \geq 0.6\%$ : Skin Corr. 1C H314 $0.06\% \leq C < 0.6\%$ : Skin Irrit. 2 H315 $C \geq 0.6\%$ : Eye Dam. 1 H318 $0.06\% \leq C < 0.6\%$ : Eye Irrit. 2 H319 $C \geq 0.0015\%$ : Skin Sens. 1A H317 |                       |
|                         |                                                                                                                                       |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       |

## ► SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

### 4.2. Most important symptoms and effects, both acute and delayed

Not available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

Not available

(see paragraph 4.1)

► **SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons: None in particular.

**5.2. Special hazards arising from the substance or mixture**

Do not inhale explosion and combustion gases.

**5.3. Advice for firefighters**

Use suitable breathing apparatus.

► **SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove persons to safety.

**6.2. Environmental precautions**

Do not allow to enter into soil/subsoil.

Do not allow to enter into surface water or drains.

Limit leakages with earth or sand.

**6.3. Methods and material for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Retain contaminated washing water and dispose it.

**6.4. Reference to other sections**

See also section 8 and 13

► **SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises: Adequately ventilated premises.

**7.3. Specific end use(s)**

Recommendation(s)

None in particular Industrial sector specific solutions:

None in particular

► **SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

No data available

**8.2. Exposure controls**

Eye protection: Not needed for normal use. Anyway, operate according good working practices.

Protection for skin: No special precaution must be adopted for normal use.

Protection for hands: Suitable materials for safety gloves; EN ISO 374:

Polychloroprene - CR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ . Nitrile rubber - NBR: thickness  $\geq 0,35\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ . Butyl rubber - IIR: thickness  $\geq 0,5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluorinated rubber - FKM: thickness  $\geq 0,4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Respiratory protection: Personal Protective Equipment should comply with relevant CE standards (as EN ISO 374 for gloves and EN ISO 166 for goggles), correctly maintained and stored. Consult the supplier to check the suitability of equipment against specific chemicals and for user information.

Not needed for normal use. Anyway, operate according good working practices.

Hygienic and Technical measures Not available

Appropriate engineering controls: Not available

► **SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Physical state: Liquid

Appearance: paste

Color: white

Odour: Characteristic

Odour threshold: Not available

Melting point / freezing point: Not available

Initial boiling point and boiling range: Not available

Flammability: N.A.

Upper/lower flammability or explosive limits: Not available

Flash point: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available pH: 9.00

Viscosity: 700,000.00 cPs

Kinematic viscosity: Not available

Solubility in water: dispersible

Solubility in oil: insoluble

Partition coefficient (n-octanol/water): Not available

Vapour pressure: Not available

Relative density: 1.65 g/cm<sup>3</sup>

Vapour density: Not available

**Particle characteristics:**

Particle size: Not available

**9.2. Other information**

Miscibility: Not available

Conductivity: Not available

Explosive properties: ==

No other relevant information

► **SECTION 10: Stability and reactivity**

**10.1. Reactivity**

Stable under normal conditions

**10.2. Chemical stability**

Stable under normal conditions

**10.3. Possibility of hazardous reactions**

None

**10.4. Conditions to avoid**

Stable under normal conditions.

**10.5. Incompatible materials**

None in particular.

**10.6. Hazardous decomposition products**

None.

► **SECTION 11: Toxicological information**

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Toxicological information of the mixture:**

|    |                                   |                                                                                    |
|----|-----------------------------------|------------------------------------------------------------------------------------|
| a) | acute toxicity                    | Not classified<br>Based on available data, the classification criteria are not met |
| b) | skin corrosion/irritation         | Not classified<br>Based on available data, the classification criteria are not met |
| c) | serious eye damage/irritation     | Not classified<br>Based on available data, the classification criteria are not met |
| d) | respiratory or skin sensitisation | Not classified<br>Based on available data, the classification criteria are not met |
| e) | germ cell mutagenicity            | Not classified<br>Based on available data, the classification criteria are not met |

|    |                        |                                                                                    |
|----|------------------------|------------------------------------------------------------------------------------|
| f) | carcinogenicity        | Not classified<br>Based on available data, the classification criteria are not met |
| g) | reproductive toxicity  | Not classified<br>Based on available data, the classification criteria are not met |
| h) | STOT-single exposure   | Not classified<br>Based on available data, the classification criteria are not met |
| i) | STOT-repeated exposure | Not classified<br>Based on available data, the classification criteria are not met |
| j) | aspiration hazard      | Not classified<br>Based on available data, the classification criteria are not met |

#### Toxicological information on main components of the mixture:

|                                                                                                                                             |                   |                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------------------|
| 2,2',2''-(hexahydro-1,3,5- a) acute toxicity triazine-1,3,5- triyl)triethanol; 1,3,5- tris(2- hydroxyethyl) hexahydro- 1,3,5-triazine       | a) acute toxicity | LD50 Oral Rat = 1000 mg/kg                                         |
|                                                                                                                                             |                   | LC50 Inhalation Mist Rat = 0,371 mg/l 4h LD50 Oral Rat = 763 mg/kg |
| 1,2-benzisothiazol-3(2H)- a) acute toxicity one; 1,2-benzisothiazolin-3-one                                                                 | a) acute toxicity | LD50 Oral Rat = 670, mg/kg                                         |
| reaction mass of: 5- chloro-2- methyl-4- isothiazolin-3-one [EC no. 247-500-7] and 2- methyl-2H -isothiazol-3- one [EC no. 220-239-6] (3:1) | a) acute toxicity | LC50 Inhalation Rat = 2,36 mg/l 4h                                 |
|                                                                                                                                             |                   | LD50 Skin Rabbit = 660, mg/kg LD50 Oral Rat = 53, mg/kg            |

## 11.2. Information on hazard classes as defined in Regulation (EC) No 1272/2008

### Endocrine disrupting properties:

No endocrine disruptor substances present in concentration  $\geq$  0.1%

## ► SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

#### List of Eco-Toxicological properties of the product

Not classified for environmental hazards

Based on available data, the classification criteria are not met

#### List of components with eco-toxicological properties

| Component                                                                                                                              | Ident. Numb.                                                | Ecotox Infos                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2,2',2''-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol; 1,3,5-tris(2-hydroxyethyl)hexahydro-1,3,5-triazine                          | CAS: 4719-04-4<br>- EINECS: 225-208-0 - INDEX: 613-114-00-6 | a) Aquatic acute toxicity : LC50 Fish Danio rerio = 16,07 mg/L 96h ECHA                                                                                                                                                                                                                                                                                                     |
| 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one                                                                               | CAS: 2634-33-5 - EINECS: 220-120-9 - INDEX: 613-088-00-6    | a) Aquatic acute toxicity : LC50 Fish = 2,15 mg/L                                                                                                                                                                                                                                                                                                                           |
|                                                                                                                                        |                                                             | b) Aquatic chronic toxicity : NOEC Algae = 0,0403 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Algae = 0,11 mg/L 72h<br>b) Aquatic chronic toxicity : EC10 Algae = 0,04 mg/L 72h<br>b) Aquatic chronic toxicity : EC50 Daphnia = 3,27 mg/L 48h NOEC Daphnia = 1,2 mg/L 21d                                                                                                |
| reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) | CAS: 55965-84-9 - EINECS: 611-341-5 - INDEX: 613-167-00-5   | a) Aquatic acute toxicity : EC50 Daphnia = 0,12 mg/L 48<br><br>a) Aquatic acute toxicity : LC50 Fish = 0,22 mg/L 96<br>a) Aquatic acute toxicity : EC50 Algae = 0,048 mg/L 72<br>b) Aquatic chronic toxicity : NOEC Algae = 0,0012 mg/L 72<br>b) Aquatic chronic toxicity : NOEC Fish = 0,098 mg/L - 28 d<br>b) Aquatic chronic toxicity : NOEC Daphnia = 0,004 mg/L - 21 d |

## **12.2. Persistence and degradability**

N.A.

## **12.3. Bioaccumulative potential**

N.A.

## **12.4. Mobility in soil**

N.A.

## **12.5. Results of PBT and vPvB assessment**

No PBT, vPvB or endocrine disruptor substances present in concentration  $\geq 0.1\%$ .

## **12.6. Endocrine disrupting properties**

No endocrine disruptor substances present in concentration  $\geq 0.1\%$

## **12.7. Other adverse effects**

Not available

# **► SECTION 13: Disposal considerations**

## **13.1. Waste treatment methods**

The generation of waste should be avoided or minimized wherever possible. Recover if possible.

A waste code (EWC) according to European List of Waste (LoW) cannot be specified, due to dependence on the usage.

Contact and send to an authorized waste disposal service.

Methods of disposal:

Disposal of this product, solutions, packaging and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Dispose of surplus and nonrecyclable products via a licensed waste disposal contractor. Do not dispose of waste into sewers.

Clean waste packaging should be recycled when possible and authorized by the authority.

Hazardous waste: No Disposal considerations:

Do not allow to enter drains or watercourses.

Dispose of product according to all federal, state and local applicable regulations.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions. For further information, contact your local waste authority.

Special precautions:

This material and its container must be disposed of in a safe way. Care should be taken when handling untreated empty containers. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Empty containers or liners may retain some product residues. Do not re-use empty containers.

# **► SECTION 14: Transport information**

Not classified as dangerous in the meaning of transport regulations.

## **14.1. UN number or ID number**

Not Applicable

## **14.2. UN proper shipping name**

Not Applicable

## **14.3. Transport hazard class(es)**

Not Applicable

## **14.4. Packing group**

Not Applicable

## **14.5. Environmental hazards**

Not Applicable

## **14.6. Special precautions for user**

Not Applicable Road and Rail (ADR-RID) :

Not Applicable Air (IATA) :

Not Applicable Sea (IMDG) :

Not Applicable

## **14.7. Maritime transport in bulk according to IMO instruments**

Not Applicable

# **► SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC (2004/42/EC) : N.A. g/l

Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH)

Regulation (EU) n. 2020/878 Regulation (EC) n. 1272/2008 (CLP)

Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP)

Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP)

Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP)

Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP)

Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2020/217 (ATP 14

CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP)

Provisions related to directive EU 2012/18 (Seveso III):

None

### Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: 40, 75

#### SVHC Substances:

SVHC substances not present in a concentration  $\geq 0.1\%$  (w/w)

#### National regulations

MAL-kode: 2-3 (1993)Produktet indeholder lavtkogende væsker, der adsorberes dårligt på kulfiltre. Anvend derfor friskluftforsynet åndedrætsværn.

#### German Water Hazard Class (WGK)

Class 1: slightly hazardous for water.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

## ► SECTION 16: Other information

If appropriate, specific provisions in relation to possible training for workers are mentioned in section 2. Any training related to safety in the workplace must in any case refer to a risk assessment that must be carried out by a company safety officer taking into account the specific operating and environmental conditions in which the products are used.

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources: ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate

ATEmix: Acute toxicity Estimate (Mixtures)

BCF: Biological Concentration Factor

BEI: Biological Exposure Index

BOD: Biochemical Oxygen Demand

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CAV: Poison Center

CE: European Community

CLP: Classification, Labeling, Packaging.

CMR: Carcinogenic, Mutagenic and Reprotoxic

COD: Chemical Oxygen Demand

COV: Volatile Organic Compound

CSA: Chemical Safety Assessment

CSR: Chemical Safety Report  
 DMEL: Derived Minimal Effect Level  
 DNEL: Derived No Effect Level.  
 DPD: Dangerous Preparations Directive  
 DSD: Dangerous Substances Directive  
 EC50: Half Maximal Effective Concentration  
 ECHA: European Chemicals Agency  
 EINECS: European Inventory of Existing Commercial Chemical Substances.  
 ES: Exposure Scenario  
 GefStoffVO: Ordinance on Hazardous Substances, Germany.  
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals.  
 IARC: International Agency for Research on Cancer  
 IATA: International Air Transport Association.  
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).  
 IC50: half maximal inhibitory concentration  
 ICAO: International Civil Aviation Organization.  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).  
 IMDG: International Maritime Code for Dangerous Goods.  
 INCI: International Nomenclature of Cosmetic Ingredients.  
 IRCCS: Scientific Institute for Research, Hospitalization and Health Care  
 KAFH: KAFH  
 KSt: Explosion coefficient.  
 LC50: Lethal concentration, for 50 percent of test population.  
 LD50: Lethal dose, for 50 percent of test population.  
 LDLo: Leathal Dose Low  
 N.A.: Not Applicable N/A: Not Applicable  
 N/D: Not defined/ Not available  
 NA: Not available  
 NIOSH: National Institute for Occupational Safety and Health  
 NOAEL: No Observed Adverse Effect Level  
 OSHA: Occupational Safety and Health Administration.  
 PBT: Persistent, Bioaccumulative and Toxic  
 PGK: Packaging Instruction  
 PNEC: Predicted No Effect Concentration.  
 PSG: Passengers  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.  
 STEL: Short Term Exposure limit.  
 STOT: Specific Target Organ Toxicity.  
 TLV: Threshold Limiting Value.  
 TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).  
 vPvB: Very Persistent, Very Bioaccumulative.  
 WGK: German Water Hazard Class.